Quality Control

# \*101228\*



Page 1

| Monday, May 06,                            | 2013 11:5.           | 5:31 AM   |                                   |  | 1778"                    |                    |               | •                | Page                         | 21       |
|--|----------------------|---|-----------------------------------|--|--------------------------|--------------------|---------------|------------------|------------------------------|----------|
| Revision ID:                               | D3238-11             |   |                                   | Accept                                 | *N900                    | <u>04010</u>       | ) <u>()</u> * | Setup Sta<br>Sto | 17.71                        |          |
| Start Date: : Required Date: : Reference:  | 5/6/2013<br>5/8/2013 | <b>Start Qty:</b> 12.00 <b>Req'd Qty:</b> 12.00 | *12<br>*12                        | *                                      | Cust Item I<br>Customer: | D:                 |               |                  | 7 7 7 7                      |          |
| Approvals:                                 | Process Pla          | an: MVF   | Date: \3-5-<br>Date:              | Tooling:  SPC (Y/N):                   |                          | ate:<br>ate:       | i             | Run Sta<br>Sto   | "INKI"                       |          |
| Sequence ID/<br>Work Center ID<br>Draw Nbr |                      | Operation Description vision Nbr                |                                   | Set Up/<br>Run Hours                   | Tool ID                  | Tool # Plar<br>Cod |               | Reject<br>Qty    | Reject Insp.<br>Number Stamp | •        |
| D3238 100 *100* Waterjet FLOW CNC Waterjet | Rev                  | FLOW WATER JET  Memo                            | or Dwg D3238 - Dwg Re<br>eccssary | 0.00<br>v: <u>C</u> Prog Rev: <u>C</u> | 2-                       |                    | 12            |                  | ( DAS)<br>OS<br>Sees         | 13:05·d6 |
| 110 *110* QC Quality Control               |                      | QC2- Inspect parts off n                        | nachine FAI/FAIB .                | 0.00                                   |                          | •                  | 12            |                  | ( \$\frac{40}{0.5}\)         | 13.05.d  |
| *120<br>*120*                              |                      | QC8- Inspect parts - sec                        | ond check                         | 0.00                                   | \$<br>\$\frac{1}{2}      |                    | 12            |                  |                              |          |

|  | 1                      |                                 |         |                 |  |                                    |                  |  |   | DQA:   | Date                 | :  |
|--|------------------------|---------------------------------|---------|-----------------|--|------------------------------------|------------------|--|---|--|----------------------|--|
| NCR: Y   | es / N                 | 0                               |         |                 | WORK ORDER NON-O   | CON                                | IFORN            | MANCE / UP   | DATE  | QA Closed:   | <br>Date             | ::   |
| Work Orde  | r.                     |                                 |         |                 | DISPOSITION  |                                    |                  |  | AGAINST DI                                    | EPARTMENT,   |                      |  |
| Part N   | Part No.  NCR No.      |                                 |         |                 | Rework Skid-tube Crosstube Machining Small Fab Thermoforming Finishing Work Order Update Large Fab Composite |                                    |                  | _  | Water Jet d. Eng. Coor. re/Packaging Supplier | Engineering Quality Other  |                      |  |
| WCIT IV  | · ——                   |                                 |         |                 | Work order opdate  | <b>-</b>                           |                  | Large rab  |   | J<br>  |                      | - <b>.</b>   |
| Root<br>Cause  | Dat                    | e Step                          | Qty     |                 | ption of work order update or Non-conformance  |                                    | nitial<br>ef Eng |  | tion<br>ription                               | Sign &<br>Date   | Verification         | QC Inspector   |
| Ooc/Data Equip/Tooling Operator Material Setup Other Process Supplier Fraining | A                      |                                 |         |                 |  |                                    |                  |  |   |  |                      |  |
| Jnapproved   |                        |                                 |         |                 |  |                                    |                  |  |   |  |                      |  |
|  |                        | •                               |         |                 | F  | AUL                                | T CATE           | GORY   |   |  |                      |  |
| Landir   | ng Gear                |                                 |         |                 | General  |                                    |                  |  | _   | _  |                      |  |
|  | Crack Crush Cuffs Heat | e Not Concos<br>s<br>ed/Crimped | d       | o/s             | Bend BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short                                  |                                    | -                | on Incomplete<br>ions Incomplete/l<br>nance<br>led | Unclear                                       | Ovalized Over/Under Part Incorred Part Lost/Mi Part Moved Positioned V Power Loss/ | ct<br>ssing<br>Vrong | Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled Other |
| <u> </u>   | <b>1</b> `             | ction Strip i<br>es in Bend     | ii rube | -               | Drill Holes  | $\vdash$                           | Offset           | ı  | L.  | Trower ross/   | ouige [              | Tousei   |
| .  | Torqu                  | ie Waves in                     |         | n 📙             | Drawing  | Out of Calibration                 |                  |  |   |  |                      |  |
| ,<br>,   |                        |                                 |         | Finish<br>Folio | $\vdash$   | Out of Sequence Outside Dimensions |                  |  |   |  |                      |  |

\*101228\*

Page 2

Monday, May 06, 2013 11:55:31 AM

Item ID:

D3238-11

Accept

\*N900040100\*

Setup Start

Revision ID:

Start Date:

Item Name: Plate

Required Date: 5/8/2013

5/6/2013

**Start Qty: 12.00** Req'd Qty: 12.00

\*12\*

Cust Item ID:

**Customer:** 

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run

QC:

Date:

SPC (Y/N):

Date:

Sequence ID/

Work Center ID

Operation Description

Set Up/ Run Hours Teol ID

Plan

Accept

Stop

Insp.

130 \*130\*

HandFinish

Chemical Conversion Coat per QS1005 4.1

0.00

0.00

Tool#

Qty Code

Reject Qty

Reject Number Stamp

1613.56

Hand Finishing

140

\*140\* QC

Quality Control

nspect Part Finish

Memo

Memo

150

\*150\*

Packaging Packaging

Identify as per dwg & Stock Location: 616

Memo

0.00

|               | ,   |            |              |          |                   |   |           |              |                   |                        | DQA:             | Date          | 2:                 |  |
|---------------|---|------------|--------------|----------|-------------------|---|-----------|--------------|-------------------|------------------------|------------------|---------------|--------------------|--|
| NCR:          | es.   | / No       |              |          |                   | WORK ORDER NON-C                        | 10:       | <b>NFORM</b> | MANCE / UPI       | DATE                   |                  |               |                    |  |
|               | - !   |            |              |          |                   |   |           |              |                   |                        | QA Closed:       | Date          | 2:                 |  |
| Work Orde     | er:   |            |              |          |                   | DISPOSITION                             |           |              |                   | AGAINST DE             | PARTMENT/PROCESS |               |                    |  |
|               |   |            | <u> </u>     |          |                   | Rework                                  |           |              |                   | Crosstube              |                  | Engineering   |                    |  |
| Part I        | ۱ο.   |            |              |          |                   | Scrap Machining Use-as-is Thermoforming |           |              | ~ <b>—</b>        | Small Fab<br>Finishing | Pro<br>Rec/Sto   | Quality Other |                    |  |
| NCR 1         | No.   | 5.<br>!    |              | ,        | Work Order Update |   | Large Fab |              | Composite         | Supplier               |                  |               |                    |  |
| Root          |   |            |              |          | Descri            | ption of work order update              | Ī         | nitial       | Act               | ion                    | Sign &           |               |                    |  |
| Cause         |   | Date       | Step         | Qty      | (                 | or Non-conformance                      | Ch        | ief Eng      | Descr             | ription                | Date             | Verification  | QC Inspector       |  |
| Doc/Data      |   |            |              | İ        |                   |   |           |              |                   | :                      |                  | !             |                    |  |
| Equip/Tooling |   | ļ          |              |          |                   |   |           |              |                   |                        |                  |               |                    |  |
| Operator      | Ŀ   |            |              |          |                   |   |           |              |                   |                        |                  |               |                    |  |
| Material      | 1   |            |              |          |                   |   | ļ         |              | ,                 |                        |                  |               |                    |  |
| Setup         |   | 1          |              |          |                   |   |           |              |                   |                        |                  |               |                    |  |
| Other         |   |            |              | •        |                   |   |           |              |                   |                        |                  |               |                    |  |
| Process       | ,   |            |              |          |                   |   |           |              |                   |                        |                  |               |                    |  |
| Supplier      |   |            | Ì            |          |                   |   |           |              |                   |                        |                  |               |                    |  |
| Training      | _   |            |              |          | ļ                 |   |           |              |                   |                        |                  |               |                    |  |
| Unapproved    | <u> </u>  | l          |              | <u> </u> |                   |   | <u> </u>  |              |                   |                        |                  |               |                    |  |
|               | _   |            | <del> </del> |          |                   |   | AUL       | T CATE       | GORY              |                        |                  |               |                    |  |
| Landi         | ng (  | 1          |              |          | _                 | General                                 |           | 1            |                   | _                      | 1                | Г             | ٦                  |  |
| !             | _   | Bending    | _            |          |                   | Bend                                    | <u> </u>  | Grain        |                   |                        | Ovalized         | ⊢             | Pressure/Forced    |  |
| 1             | <u> </u>  | Centre N   | ot Conce     | ntric to | o/s               | BOM/Route                               | <u> </u>  | Hardwa       |                   |                        | Over/Under       |               | Temperature/Cure   |  |
| 1             | <u> </u>  | Cracks     |              |          | -                 | Broken/Damaged                          | L         | 1            | ion Incomplete    | , , <del> </del>       | Part Incorred    | <b>⊢</b>      | Weld               |  |
|               | <u> </u>  | Crushed/   | Crimped      |          |                   | Burrs                                   | <u> </u>  | 1            | ions Incomplete/l | Jnclear                | Part Lost/Mi     | ssing _       | Wrong Stock Pulled |  |
| İ             | <u> </u>  | Cuffs      |              |          | <u> </u>          | Contamination                           | $\vdash$  | Mainte       |                   | <u></u>                | Part Moved       | t             |                    |  |
|               | $\vdash$  | Heat Trea  |              |          | . —               | Countersink                             | <u> </u>  | Mislabe      |                   | <u> </u>               | Positioned V     |               | 7 <sub>045</sub>   |  |
| ĺ             | $\vdash$  | Inspectio  | -            | Tube     | <u></u>           | Cut Too Short                           | $\vdash$  | Misread      | 1                 |                        | Power Loss/      | ourge         | Other              |  |
|               | $oxed{\!$ | Ripples in |              |          | _                 | Drill Holes                             |           | Offset       |                   |                        |                  | _             |                    |  |
| I :           | 1   | Torque W   | Javes in F   | Extrusio | ın İ              | Drawing                                 | l         | Out of 0     | Calibration       |                        |                  |               |                    |  |

Out of Sequence

Outside Dimensions

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Turning Sequence

Wave/Twist in Tube

Finish Folio \*101228\*

Page 3

Item ID: D3238-11

Accept

\*N900040100\*

Setup Start

Item Name:

Required Date: 5/8/2013

**Revision 1D:** 

Plate

5/6/2013

Start Qty: 12.00

Req'd Qty: 12.00

\*12\*

Cust Item ID:

**Customer:** 

Reference:

Approvals:

Start Date:

**Process Plan:** 

Date:

Tooling:

0.00

0.00

Date:

Run

Start

QC:

Date:

QC21- Final Inspection - Work Order Release

SPC (Y/N):

Date:

Stop

Sequence ID/ Work Center ID Operation Description

Set Up/ Run Hours Too! ID

Tool# Plan Accept

Reject

Reject

Insp.

\*160\*

QC

160

Memo

Quality Control

Code

Qty

Qty

Number Stamp

|               | -                 |         |          |                   |              |                            |                |         |                   |            | DQA:            | Date          | ::                 |
|---------------|-------------------|---------|----------|-------------------|--------------|----------------------------|----------------|---------|-------------------|------------|-----------------|---------------|--------------------|
| NCR: Y        | es                | / No    |          |                   |              | WORK ORDER NON-C           | CON            | VFORM   | MANCE / UPI       | DATE       | 04 Classide     |               | >                  |
|               | +                 |         |          |                   |              |                            |                |         |                   |            | QA Closed:      | Date          | ?:<br>             |
| Work Orde     |                   |         |          |                   |              | DISPOSITION                |                |         |                   | AGAINST DI | PARTMENT        | /PROCESS      |                    |
| Work Orac     | `` -              |         |          |                   | <del></del>  | Rework                     | 1              |         | Skid-tube         | Crosstube  | 7               | Water Jet     | Engineering        |
| Part N        | o.                |         |          |                   |              | Scrap                      | 1              |         | Machining         | Small Fab  | Pro             | d. Eng. Coor. | Quality            |
|               | -                 |         |          |                   |              | Use-as-is                  |                |         | noforming         | Finishing  | Rec/Stor        | e/Packaging   | Other              |
| NCR N         | Date Step Qty     |         |          | Work Order Update | ]            | Large Fab Composite        |                |         | _                 | Supplier   |                 |               |                    |
| Root          | $\dot{\parallel}$ |         |          |                   | Descri       | ption of work order update |                | nitial  | Act               | tion       | Sign &          |               |                    |
| Cause         |                   | Date    | Step     | Qty               |              | or Non-conformance         | Ch             | ief Eng | Descr             | ription    | Date            | Verification  | QC Inspector       |
| Doc/Data      | Ш                 |         |          |                   |              |                            |                | •       |                   |            |                 |               |                    |
| Equip/Tooling | Ш                 |         | ·        | 1 1               |              |                            |                |         |                   |            |                 |               |                    |
| Operator      | Ц                 | İ       |          |                   |              |                            |                |         |                   |            |                 |               | İ                  |
| Material      | Ц                 |         |          |                   |              |                            |                |         | -                 |            |                 |               |                    |
| Setup         |                   |         |          |                   |              |                            |                |         |                   |            |                 |               |                    |
| Other         | _                 |         |          |                   |              |                            |                |         |                   |            |                 |               |                    |
| Process       | _                 |         |          |                   |              |                            |                |         |                   |            |                 |               |                    |
| Supplier      | 4                 |         |          |                   |              |                            | 1              |         |                   |            |                 |               |                    |
| Training      | _                 |         |          |                   |              |                            |                |         |                   |            | 1               |               |                    |
| Unapproved    |                   |         |          | LL                |              |                            | <u> </u>       | TCATE   | CORY              |            |                 |               | 1                  |
| • •           |                   |         |          |                   |              |                            | AUL            | T CATE  | GURY              |            |                 |               |                    |
| Landir        | _                 |         |          |                   |              | General                    |                | Grain   |                   |            | Ovalized        | Г             | Pressure/Forced    |
| j}            | _                 | _       |          | - <b>-</b>        | \s_          | Bend<br>BOM/Route          | $\vdash$       | Hardwa  |                   | -          | Over/Under      | toloranco     | Temperature/Cure   |
|               | →                 |         | t Concer | ntric to C        | "³           | Broken/Damaged             |                |         | on Incomplete     | -          | Part Incorred   |               | Weld               |
|               |                   |         | rimpod   |                   |              | Burrs                      | $\blacksquare$ |         | ions incomplete/l | Inclose    | Part Lost/Mi    | <b>;</b> —    | Wrong Stock Pulled |
|               |                   |         | zmipeu   |                   | -            | Contamination              | -              | Mainte  | •                 | - Inclear  | Part Moved      | 3311 E        |                    |
|               |                   |         | +        |                   |              | Countersink                | $\vdash$       | Mislabe |                   |            | Positioned V    | drong.        |                    |
|               |                   |         |          | Tuhe              | $\vdash$     | Cut Too Short              | $\vdash$       | Misread |                   | <u> </u>   | Power Loss/     | _             | Other              |
|               |                   | -       |          | . 450             | -            | Drill Holes                | $\vdash$       | Offset  | •                 | L          | J. 5110, 2000). |               | 1-4                |
|               |                   |         |          | extrusion         | , <b> </b>   | Drawing                    | $\vdash$       | ł       | Calibration       |            |                 |               |                    |
|               | _                 |         |          |                   |              | Finish                     | -              | 1       | Sequence          |            |                 |               |                    |
|               | _                 | Mayo/Tw |          |                   | <del> </del> | Folio                      | -              |         | Dimensions        |            |                 |               |                    |

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

#### **Picklist Print**

Monday, May 06, 2013 11:55:30 AM

Work Order ID:

101228

Parent Item:

Comments:

D3238-11

Parent Item Name:

Plate

IPP Rev:A New Issue 06-10-20 EC

Now on Waterjet 07-01-26 JLM IPP Rev:B

Component Item ID/ Item Name

Replacement Item ID

Mfg/ Purch Bin Primary Item Location Last Location

Route Seg ID

Measure Hand

0.1515789

606TGS 0.020

Page 1

Status

**Start Date:** 5/6/2013

Required Date: 5/8/2013

**Start Qty: 12.00** 

Required Qty: 12.00

M5052H32S.020 5052-H32 .020 Sheet

Purchased

No

100

sť

Unit of

0.0000

Qty on

Qty 0.012

Qty per Kit Total

Issued Issued

Qty

Date

|              | DQADate      |            |          |          |                            |                    |                            |                   |           |               |               |                    |
|--------------|--------------|------------|----------|----------|----------------------------|--------------------|----------------------------|-------------------|-----------|---------------|---------------|--------------------|
| NCR: Ye      | s / No       |            |          |          | WORK ORDER NON-            | CON                | FORM                       | MANCE / UP        | DATE      | QA Closed:    | Dat           |                    |
|              | <del> </del> |            |          |          |                            |                    |                            |                   |           | QA Closed.    | Dat           | le.                |
| Nork Order   | 1            |            |          |          | DISPOSITION                | 1                  | AGAINST DEPARTMENT/PROCESS |                   |           |               |               |                    |
| WORK OTAC    |              |            |          | Rework   |                            |                    | Skid-tube                  | Crosstube         | 7         | Water Jet     | Engineering   |                    |
| Part No      |              |            |          |          | Scrap                      | <b>┧</b> ┃         |                            | Machining         | Small Fab | Pro           | d. Eng. Coor. | Quality            |
| raitiv       | j            |            |          |          | Use-as-is                  | <b>┤</b> ┃         |                            | noforming         | Finishing | <b>—</b> i    | e/Packaging   | Other              |
| NCR N        | 0            |            |          |          | Work Order Update          | <b>┤ [</b>         |                            | Large Fab         | Composite | -             | Supplier      |                    |
| (10)         | ·            |            |          |          |                            | paute              |                            |                   |           |               |               |                    |
| Root         |              |            |          | Descri   | ption of work order update | Ir                 | nitial                     | Act               | tion      | Sign &        |               |                    |
| Cause        | Date         | Step       | Qty      | . (      | or Non-conformance         | Chi                | ef Eng                     | Desci             | ription   | Date          | Verification  | n QC Inspector     |
| oc/Data      |              |            |          |          |                            |                    |                            |                   |           |               |               |                    |
| quip/Tooling |              |            |          |          |                            |                    |                            |                   |           |               |               |                    |
| perator      |              |            |          |          |                            |                    |                            |                   |           |               |               |                    |
| /laterial    |              |            |          |          |                            |                    |                            |                   |           |               |               |                    |
| etup         |              |            |          |          |                            |                    |                            |                   |           |               |               |                    |
| Other        |              |            |          |          |                            |                    |                            |                   |           | Ì             |               |                    |
| rocess       |              |            |          |          |                            |                    |                            |                   |           |               |               |                    |
| upplier      |              |            |          |          |                            |                    |                            |                   |           | , ·           |               |                    |
| raining      |              |            |          |          |                            |                    |                            | :                 |           |               |               |                    |
| Inapproved   |              |            |          |          |                            |                    |                            |                   |           |               |               |                    |
|              |              |            |          |          |                            | FAULT              | CATE                       | GORY              |           |               |               |                    |
| Landin       | g Gear       |            |          |          | General                    | _                  |                            |                   | _         |               | r             | <del></del>        |
|              | Bending      |            |          | <u> </u> | Bend                       | $\vdash$           | Grain                      |                   | ļ_        | Ovalized      |               | Pressure/Forced    |
|              | Centre No    | ot Conce   | ntric to | o/s      | BOM/Route                  | -                  | Hardwa                     |                   | Ļ         | Over/Under    | F             | Temperature/Cure   |
|              | Cracks       |            |          |          | Broken/Damaged             | <b>——</b>          |                            | on incomplete     | <u> </u>  | Part Incorred | <u> </u>      | Weld               |
| iL           | Crushed/     | Crimped    |          | L        | Burrs                      |                    | instruct                   | ions Incomplete/I | Unclear   | Part Lost/Mi  | ssing [       | Wrong Stock Pulled |
| ĺ            | Cuffs        |            |          | <u> </u> | Contamination              | $\vdash$           | Mainte                     |                   | 1         | Part Moved    |               |                    |
|              | Heat Trea    | at         |          |          | Countersink                | Ц                  | Mislabe                    | led               | L         | Positioned V  |               |                    |
| [            | Inspectio    | n Strip in | Tube     |          | Cut Too Short              | $\vdash$           | Misreac                    | 1                 | L         | Power Loss/   | Surge [       | Other              |
| 1            | Ripples in   | n Bend     |          |          | Drill Holes                |                    | Offset                     |                   |           |               |               |                    |
| [            | Torque V     | Vaves in E | extrusio | n _      | Drawing                    |                    | Out of C                   | Calibration       |           |               |               | <u> </u>           |
| [            | Turning S    | iequence   |          |          | Finish                     |                    | Out of S                   | Sequence          |           |               |               |                    |
|              | <b> </b>     |            |          | Folio    |                            | Outside Dimensions |                            |                   |           |               |               |                    |

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G



| DESIG | 4    | CB       | DA          | ART AEROSPACE LTD<br>HAWKESBURY, ONTARIO, CANADA |        |
|-------|------|----------|-------------|--|--------|
| CHEC  | KED  | APPROVED | DRAWING NO. |  | REV. C |
| 1     |      |          | D3238       | SHEET  | 1 OF 3 |
| DATE  |      |          | TITLE       |  | SCALE  |
| 07.0  | 2.19 |          | PLATE       |  | 1 4    |
| _ A   |      | 07.11.05 | NEW ICC     | 15   |        |

RELEASED

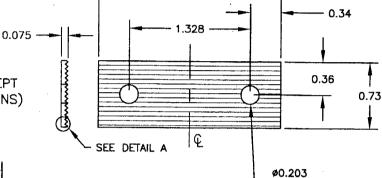
A 03.11.25 NEW ISSUE

B 07.01.17 ADD -21/-23/-25/-31/-33/-35; CHANGE -11/-13/-15 TO 6061-T6

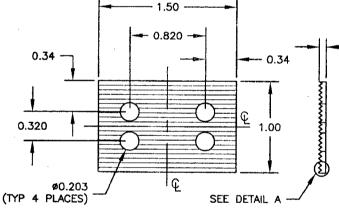
C 07.02.19 ADD 5052-H32 OPTION

07.02.2 of

D3238-1 PLATE (SHOWN)
D3238-11 PLATE (SAME, EXCEPT
0.020 THICK AND NO SERRATIONS)



2.00



## D3238-3 PLATE (SHOWN)

(TYP 2 PLACES)

D3238-13 PLATE (SAME, EXCEPT 0.020 THICK AND NO SERRATIONS)

#### NOTES:

1) MATERIAL -1/-3/-5/-21/-23/-25 PLATE:

ALUMINUM 2024-T3 SHEET PER QQ-A-250/4 OR AMS 4037 (REF DART SPEC M2024T3S)

- 0.075

-11/-13/-15/-31/-33/-35 PLATE:

ALUMINUM 6061-T6/-T62 SHEET, 0.020 THICK, PER QQ-A-250/11 OR AMS 4025 OR AMS 4027 (REF DART SPEC M6061T6S.020) OR

ALUMINUM 5052-H32 SHEET, 0.020 THICK, PER QQ-A-250/8 OR AMS 4016 (REF DART SPEC M5052H32S.020)

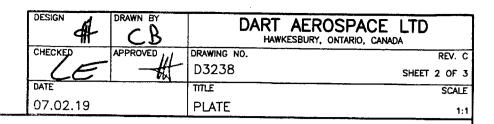
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) SEE SHEET 3 FOR DETAIL A
- 7) PARTS ARE SYMMETRIC ABOUT Q

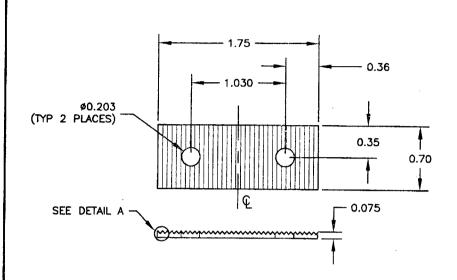
26610)

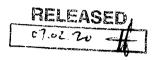
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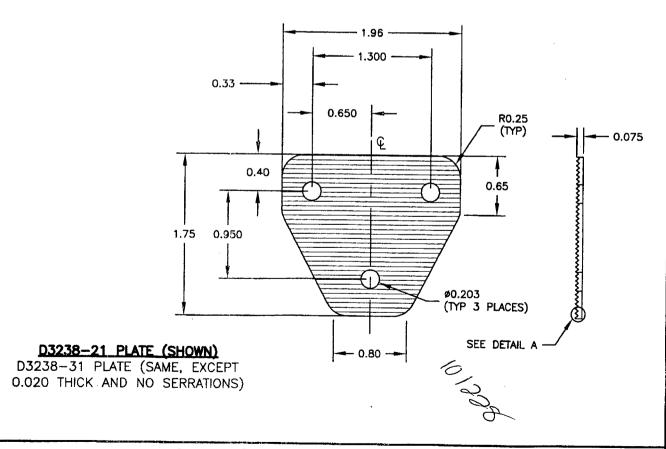








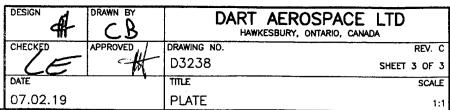
D3238-5 PLATE (SHOWN) D3238-15 PLATE (SAME, EXCEPT 0.020 THICK AND NO SERRATIONS)

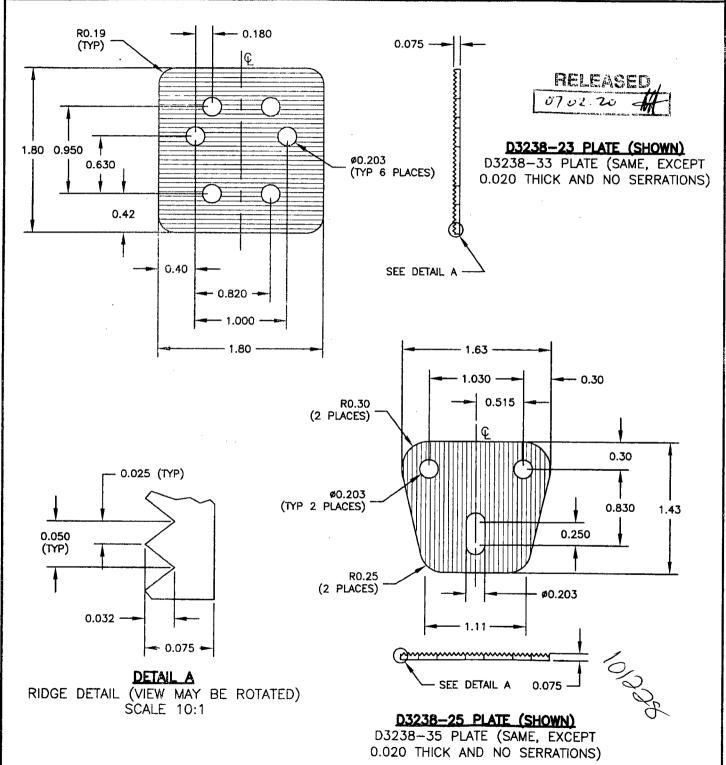


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| DART AEROSPACE LTD           | Work Order:  | 101228      |
|------------------------------|--------------|-------------|
| Description: Plate           | Part Number: | D3238-11    |
| Inspection Dwg: D3238 Rev: C |              | Page 1 of 1 |

### FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

| Drawing<br>Dimension | Tolerance     | Actual<br>Dimension | Accept | Reject | Method of<br>Inspection | Comments |
|----------------------|---------------|---------------------|--------|--------|-------------------------|----------|
| 2.00                 | +/-0.030      | 1.986               | V      |        | V                       | JKN-01   |
| 0.72                 | +/-0.030      | 0.723               | /      |        | V                       |          |
| 0.36                 | +/-0.030      | 0.723               | V      |        | V                       |          |
| 0.34                 | +/-0.030      | 0.32.8              |        |        | V                       |          |
| 1.328                | +/-0.010      | 1.322               | /      |        | V                       |          |
| Ø0.203               | +0.005/-0.001 | 0.205               | /      |        | V                       |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
| 11.116               |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     |        |        |                         |          |
|                      |               |                     | oAc    |        |                         |          |

Measured by: Mn/A Audited by: Audited by: Prototype Approval: N/A

Date: 13.05.06

Date: 15.6

Date: N/A

| Rev | Date     | Change           | Revised by | Approved |
|-----|----------|------------------|------------|----------|
| Α   | 07,01.17 | New Issue        | KJ/JLM , , |          |
| В   | 07.02.23 | Dwg Rev. updated | KJ/JLM     | B        |